References

Abrahamson, D. "Aluminum and Global Warming." *Nature* 356. April 1992.

Air Transportation Association. *Monthly Fuel Cost and Consumption.* Various years. Web site www.air-transport.org/public/industry/16.asp.

Alternative Fluorocarbons Environmental Acceptability Study. *Atmospheric Chlorine: CFCs and Alternative Fluorocarbons*. Web site www.afeas.org/atmospheric_chlorine.html.

Alternative Fluorocarbons Environmental Acceptability Study. *Production, Sales and Atmospheric Release of Fluorocarbons Through 1998.* Web site www.afeas.org/prodsales_download.html

American Automobile Manufacturers Association. *AAMA Vehicle Facts and Figures, 1996.* Detroit, MI.

American Chemical Council. *U.S. Chemical Industry Statistical Handbook*. Washington, DC, various years.

American Chemistry Council. *Guide to the Business of Chemistry*. Washington, DC, various years.

American Gas Association. *Gas Engineers Handbook*. New York, NY: Industrial Press, 1974.

American Gas Association. *Gas Engineers Handbook: Fuel Gas Engineering Practices.* New York, NY: Industrial Press, 1974.

American Gas Association. *Gas Facts.* Annual Statistical Report. Washington, DC, various years.

American Iron and Steel Institute. *Iron and Steel Annual Statistical Report*. Washington, DC, various years.

American Petroleum Institute. *Basic Petroleum Data Book*. Washington, DC, various years.

American Petroleum Institute. Sales of Natural Gas Liquids and Liquefied Refinery Gases. Washington, DC, various years.

American Society for Testing and Materials. *ASTM and Other Specifications for Petroleum Products and Lubricants*. Philadelphia, PA, 1985.

American Society of Agricultural Engineers. *Manure Production and Characteristics Standards*. St. Joseph, MI, 1988.

"Analysis of Adipic Acid Market." *Chemical Market Reporter.* June 15, 1998.

"Annual Report on Top 50 Industrial Chemicals." *Chemical and Engineering News.* April or June issue, various years.

"Annual Survey of State Agencies." World Oil. February issue, various years.

Augenstein, D. "The Greenhouse Effect and U.S. Landfill Methane." *Global Environmental Change*. December 1992.

Australian Greenhouse Office, *Greenhouse Sinks and the Kyoto Protocol: An Issues Paper*, Commonwealth of Australia, 2000. Web site www.greenhouse.gov.au/pubs/internationalsinks.

Baldwin, R.L., Thornley, J.H.M., and Beever, D.E. "Metabolism of the Lactating Cow: Digestive Elements of a Mechanistic Model." *Journal of Dairy Research* 54. 1987.

Barnard, G. "Use of Agricultural Residues as Fuel." *Bioenergy and the Environment*. Ed. J. Pasztor and L. Kristoferson. Boulder, CO: Westview Press, 1990.

Bartlett, K., and Harriss, R.C. "Review and Assessment of Methane Emissions from Wetlands." *Chemosphere* 26, Nos. 1-4. 1993.

Berdowski, J.J.M., Beck, L., Piccot, S., Olivier, G.J., and Veldt, C. "Working Group Report: Methane Emissions from Fuel Combustion and Industrial Processes." *Proceeding of an International IPCC Workshop on Methane and Nitrous Oxide: Methods in National Emissions Inventories and Options for Control.* Ed. A.R. van Amstel. RIVM Report no. 481507003. Bilthoven, The Netherlands, 1993.

Bingemer, H.G., and Crutzen, P.J. "The Production of Methane From Solid Wastes." *Journal of Geophysical Research* 92, D2. February 20, 1987.

Biocycle Magazine. "Nationwide Survey: The State of Garbage in America." Annual Survey, various years. Web site www.biocycle.net.

Birdsey, R.A. *Carbon Storage and Accumulation in United States Forest Ecosystems*. U.S. Forest Service General Technical Report WO-59. Washington, DC, 1992.

Birdsey, R.A. "Changes in Forest Carbon Storage from Increasing Forest Area and Timber Growth." *Forests and Global Change, Vol 1: Opportunities for Increasing Forest Cover.* Ed. R.N. Sampson and D. Hair. Washington, DC: American Forests, 1992.

Birdsey, R.A., and L.S. Heath, "Carbon Changes in U.S. Forests." *Productivity of America's Forests and Climate Change.* Ed. L.A. Joyce. Fort Collins, CO: USDA Forest Service. General Technical Report RM-GTR-271, 1995.

Blaxter, K.L., and Clapperton, J.L. "Prediction of the Amount of Methane Produced by Ruminants." *British Journal of Nutrition* 19. 1965.

Bodanzky, D. "Prologue to the Climate Convention." *Negotiating Climate Change: The Inside Story of the Rio Convention.* Ed. I. Minter and J.A. Leonard. Cambridge, UK: Cambridge University Press, 1994.

Boden, T.A., Kaiser, D., Stepanski, R.J., and Stoss, F.W. *Trends '93: A Compendium of Data on Global Change*. ORNL/CDIAC-65. Oak Ridge, TN: Oak Ridge National Laboratory, September 1994.

Boden, T.A., Stepanski, R.J., and Stoss, F.W. *Trends '91: A Compendium of Data on Global Change*. ORNL/CDIAC-46. Oak Ridge, TN: Oak Ridge National Laboratory, December 1991.

Bogner, J.E. "Anaerobic Burial of Refuse in Landfills: Increased Atmospheric Methane and Implications for Increased Carbon Storage." *Ecological Bulletins* 42. 1992.

Boswell, C. "Hydrofluorocarbons Build with Transition Away from CFCs." *Chemical Market Reporter*. September 13, 1999.

Bouwman, A.F. "Exchange of Greenhouse Gases Between Terrestrial Ecosystems and Atmosphere." *Soils and the Greenhouse Effect.* Ed. A.F. Bouwman. New York, NY: John Wiley and Sons, 1990.

Bremner, J.M., and Blackmer, A.M. "Nitrous Oxide: Emissions From Soil During Nitrification of Fertilizer Nitrogen." *Science* 199. 1978.

Brown, H., et al. *Energy Analysis of 108 Industrial Processes*. Lilburn, GA: Fairmont Press, 1995.

Burdick, D.L., and Leffler, W.L. *Petrochemicals in Non-technical Language*. Oklahoma City, OK: Pennwell Publishing Company, 1990.

Cicerone, R.J., and Shetter, J.D. "Sources of Atmospheric Methane: Measurements in Rice Paddies and Discussion." *Journal of Geophysical Research* 86, C8. August 1981.

Cicerone, R.J., Shetter, J.D., and Delwiche, C.C. "Seasonal Variation of Methane Flux from a California Rice Paddy." *Journal of Geophysical Research* 88. December 1983.

Clean Air Act Amendments of 1990. P.L. 101-549, Nov. 15, 1990. Title VI, "Stratospheric Ozone Protection," 10489AT2849-2872.

Clinton, W.J., and Gore, A. *The President's Climate Change Action Plan*. Washington, DC, October 1994.

Cost, N.D., Howard, J., Mead, B., McWilliams, W.H., Smith, W.B., Van Hooser, D.D., and Wharton, E.H. *The Biomass Resource of the United States*. USDA Forest Service General Technical Report WO-57. Washington, DC, 1990.

Crutzen, P.J., Aselmann, I., and Seiler, W. "Methane Production by Domestic Animals, Wild Ruminants, Other Herbivorous Fauna, and Humans." *Tellus* 38B. 1986.

Cubbage, F.C. "Federal Land Conversion Programs." *Forests and Global Change* 1. 1992.

Dahl, T. Wetlands Losses in the United States: 1780's to 1980's. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service, 1990.

Dale, C., et al. "First Oxygenated Gasoline Season Shakes Out Differently Than Expected." *Oil and Gas Journal*. October 25, 1993.

Darley, E. *Emission Factors from Burning Agricultural Wastes Collected in California*. Final Report, CAL/ARB Project 4-011. Riverside, CA: University of California, 1977.

Daugherty, A. *Major Uses of Land in the United States:* 1987. Agricultural Economic Report No. 643. Washington, DC: U.S. Department of Agriculture, Economic Research Service, 1991.

Daugherty, A. *Major Uses of Land in the United States:* 1992. Agricultural Economic Report No. 723. Washington, DC: U.S. Department of Agriculture, Economic Research Service, September 1995.

De Soete, G.G. "Nitrous Oxide from Combustion and Industry: Chemistry, Emissions and Control." *International IPCC Workshop Proceedings: Methane and Nitrous Oxide, Methods in National Emissions Inventories and Options for Control.* Ed. A.R. van Amstel. Bilthoven, Netherlands: RIVM, 1993.

Defense Logistics Agency, Defense Fuel Supply Center, Office of the Comptroller. *Fact Book Annual Report.* Alexandria, VA, various years.

DeLuchi, M. *Emissions of Greenhouse Gases From the Use of Transportation Fuels and Electricity.* Vol. 2. ANL/ESD/TM-22. Chicago, IL: Argonne National Laboratory, November 1993.

Douglas, H. *Handbook of Mineral Economics*. San Francisco, CA: Hugh Douglas and Company, 1983.

Drexel University Project Team. *Energy Analysis of 108 Industrial Processes*. Lilburn, GA: The Fairmont Press, 1996.

"DuPont Set To Expand Markets for Ozone-Safe HFC-152a Product." *Ozone Depletion Online Today*. June 9, 1995.

Duxbury, J.M., and McConnaughey. P.K. "Effect of Fertilizer Source on Denitrification and Nitrous Oxide Emission in a Maize Field." *Soil Sci. Soc. Am. J.* 50. 1986.

E.H. Pechan and Associates, Inc. *The Emission Reduction and Cost Analysis Model for NO_X ERCAM-NO_X*. Report prepared for the U.S. Environmental Protection Agency, Ozone/CO Programs Branch. Research Triangle Park, NC, May 1994.

Eberle, A.C. "An Engineering Estimate of the Incremental Change in Methane Emissions with Increasing Throughput in a Natural Gas System." Presented at the 1994 International Workshop on Environmental and Economic Impacts of Natural Gas Losses, March 22 and 23, Prague, The Czech Republic.

EcoSecurities, Ltd. "'Sinks' and Climate Change. Comment on Recent Reporting on Last Week's *Nature* Journal. EcoSecurities Press Release. Web site www. ecosecurities.com/ 200about_us/ 223press_releases/ 223press_release_sinks_climate.html. June 2001.

Energy Information Administration. *Annual Energy Outlook.* DOE/EIA-0383. Washington, DC, various years. Web site www.eia.doe.gov/oiaf/aeo/.

Energy Information Administration. *Annual Energy Review*. DOE/EIA-0384. Washington, DC, various years. Web site www.eia.doe.gov/emeu/aer/.

Energy Information Administration. *Btu Tax on Finished Petroleum Products*. Unpublished draft report. Washington, DC, April 1993.

Energy Information Administration. *Coal Industry Annual*. DOE/EIA-0584. Washington, DC, various years.

Energy Information Administration. *Coal Production*. DOE/EIA-0118. Washington, DC, various years.

Energy Information Administration. *Coal Quarterly*. DOE/EIA-0121. Washington, DC, various years.

Energy Information Administration. *Cost and Quality of Fuels for Electric Utility Plants*. DOE/EIA-0191. Washington, DC, various years.

Energy Information Administration. *Electric Power Annual.* DOE/EIA-0348. Washington, DC, various years.

Energy Information Administration. *Emissions of Greenhouse Gases in the United States*. DOE/EIA- 0573. Washington, DC, various years.

Energy Information Administration. Form EIA-767, "Steam Electric Plant Operation and Design Report." Unpublished survey data. Washington, DC, various years.

Energy Information Administration. *Fuel Oil and Kerosene Sales*. DOE/EIA-0535. Washington, DC, various years.

Energy Information Administration. *Household Vehicles Energy Consumption*. DOE/EIA-0464. Washington, DC, various years.

Energy Information Administration. *Impacts of the Kyoto Protocol on U.S. Energy Markets and Economic Activity.* SR/OIAF/98-03. Washington, DC, October 1998. Web site www.eia.doe.gov/oiaf/kyoto/kyotorpt.html.

Energy Information Administration. *International Energy Annual.* DOE/EIA-0121. Washington, DC, various years. Web site www.eia.doe.gov/emeu/iea/.

Energy Information Administration. *International Energy Outlook*. DOE/EIA-0484. Washington, DC, various years.

Energy Information Administration. *Manufacturing Energy Consumption Survey*. DOE/EIA-0512. Washington, DC, various years. Web site www.eia.doe.gov/emeu/mecs/.

Energy Information Administration. *Monthly Energy Review*. DOE/EIA-0035. Washington, DC, various issues. Web site www.eia.doe.gov/emeu/mer/.

Energy Information Administration. *Natural Gas Annual*. DOE/EIA-0131. Washington, DC, various years.

Energy Information Administration. *Natural Gas Monthly*. DOE/EIA-0130. Washington, DC, various issues.

Energy Information Administration. *Petroleum Supply Annual*. DOE/EIA-0340. Washington, DC, various years.

Energy Information Administration. *Petroleum Supply Monthly*. DOE/EIA-0109. Washington, DC, various years.

Energy Information Administration. *Renewable Energy Annual*. DOE/EIA-0603. Washington, DC, various years. Web site www.eia.doe.gov/cneaf/solar.renewables/page/rea_data/rea_sum.html.

Energy Information Administration. *Short-Term Energy Outlook*. DOE/EIA-0202. Washington, DC, various issues.

Energy Information Administration. *State Energy Data Report: Consumption Estimates.* DOE/EIA-0214. Washington, DC, various years.

Energy Information Administration. *U.S. Coal Supply and Demand: 2000 Review.* Washington, DC, 2001. Web site www.eia.doe.gov/cneaf/coal/page/special/feature.html.

Energy Information Administration. *U.S. Electric Utility Demand Side Management 1994*. DOE/EIA-0589(94). Washington, DC, December 1995.

"Environmental Protection Drives Emissions Reduction Effort." *Electronic Design*. December 1, 1997.

"EPA Launches PFC Reduction Program." *Chemical Week.* July 31, 1996.

Fertilizer Institute. *Annual Report on Commercial Fertilizers*. Washington, DC, various years.

"Fluorocarbon Outlook Turns Bullish." *Chemical Market Reporter*. May 25, 1998.

Food and Agriculture Organization of the United Nations. *Food Balance Sheets*. Various years. Web site http://apps.fao.org/.

Franklin Associates, Ltd. *Characterization of Municipal Solid Waste in the United States: Annual Updates.* Prepared for U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, various years.

Freedonia Group, Inc. *Carbon Dioxide*. Business Research Report B286. Cleveland, OH, November 1991.

Freedonia Group Inc. *Carbon Dioxide*. Industry Study 564. Cleveland, OH, February 1994.

Gas Technology Institute. Chemical Composition of Discovered and Undiscovered Natural Gas in the United States—1993 Update. GRI-93/0456. December 1993.

Gas Technology Institute. Variability of Natural Gas Composition in Select Major Metropolitan Areas of the United States. GRI-92/0123. March 1992.

Goodger, E.M. *Hydrocarbon Fuels: Production, Properties and Performance of Liquids and Gases.* New York, NY: John Wiley & Sons, 1975.

Greeley, W. (U.S. Forest Service). "The Relation of Geography to Timber Supply." *Economic Geography* 1. 1925.

Griffin, R. " ${\rm CO_2}$ Release from Cement Production 1950-1985." Ed. G. Marland et al. Oak Ridge, TN, Oak Ridge National Laboratory, 1987.

Grubb, M.J. "On Coefficients for Determining Greenhouse Gas Emissions from Fossil Fuel Production and Consumption." London, UK: Royal Institute of International Affairs, Energy and Environmental Programme, 1989.

Guerra, C.R., Kelton, K., and Nielsen, D.C. "Natural Gas Supplementation with Refinery Gases and Hydrogen." *New Fuels and Advances in Combustion Technologies.* Chicago, IL: Institute of Gas Technology, 1979.

Guthrie, V.B., Ed. *Petroleum Products Handbook*. New York, NY: McGraw-Hill, 1960.

Hadaller, O.J., and Momenthy, A.M. "Conventional Jet Fuels." *The Characteristics of Future Fuels.* Part 1. Seattle, WA: Boeing Corp., September 1990.

Harrison, M.R., and Cowgill, R.M. *Tier 2 Summary of Methane Emissions from the Natural Gas Industry*. Draft Final Report Prepared for the Gas Research Institute and the U.S. Environmental Protection Agency. Washington, DC, January 1996.

Hashimoto, A.G., Varel, V.H., and Chen, Y.R. "Ultimate Methane Yield From Beef Cattle Manure: Effect of Temperature, Ration Constituents, Antibiotics and Manure Age." *Agricultural Wastes* 3. 1981.

Heath, L.S., Birdsey, R.A., and Row, C. "Carbon Pools and Flux in U.S. Forest Products." *The Role of Forest Ecosystems and Forest Resource Management in the Global Carbon Cycle.* NATO ASI Series. Germany: Springer-Verlag, 1995.

"HFC-134a Prices Rise As Market Tightens." *Chemical Market Reporter*. March 15, 1999.

Hill, D.T. "Methane Productivity of the Major Animal Types." *Transactions of the ASAE* 27. 1984.

Holzappfel-Pschorn, A., and Seiler, W. "Methane Emission During a Cultivation Period from an Italian Rice Paddy." *Journal of Geophysical Research* 91. October 1986.

Hong, B.D., and Slatick, E.R. "Carbon Dioxide Emission Factors for Coal." Energy Information Administration. *Quarterly Coal Report*, January-March 1994. Washington, DC, 1994.

Houghton, R.A., et al. "The Flux of Carbon from Terrestrial Ecosystems to the Atmosphere in 1980 Due to Changes in Land Use: Geographic Distribution of the Global Flux." *Tellus* 39, 1987.

Hunt, J.M. *Petroleum Geochemistry and Geology*. San Francisco, CA: W.H. Freeman, 1979.

Intergovernmental Panel on Climate Change. *Climate Change: The IPCC Scientific Assessment.* Cambridge, UK: Cambridge University Press, 1990. Web site www.ipcc.ch/pub/reports.htm.

Intergovernmental Panel on Climate Change. *Climate Change 1992: The Supplementary Report to the IPCC Scientific Assessment.* Cambridge, UK: Cambridge University Press, 1992. Web site www.ipcc.ch/pub/reports.htm.

Intergovernmental Panel on Climate Change. Climate Change 1994: Radiative Forcing of Climate Change. Cambridge, UK: Cambridge University Press, 1995. Web site www.ipcc.ch/pub/reports.htm.

Intergovernmental Panel on Climate Change. Climate Change 1995: The Science of Climate Change. Cambridge, UK: Cambridge University Press, 1996. Web site www.ipcc.ch/pub/reports.htm.

Intergovernmental Panel on Climate Change. *Climate Change 2001: The Scientific Basis.* Cambridge, UK: Cambridge University Press, 2001. Web site www.ipcc.ch/pub/reports.htm.

Intergovernmental Panel on Climate Change. *Greenhouse Gas Inventory Reference Manual: Revised 1996 IPCC Guidelines for National Greenhouse Gas Inventories.* Vols. 1-4. (Paris, France, 1997). Web site www.ipcc.ch/pub/guide.htm.

Intergovernmental Panel on Climate Change. *Methane and Nitrous Oxide, Methods in National Emissions Inventories and Options for Control.* Proceedings, Research for Man and Environment. Bilthoven, Netherlands, February 1993.

Intergovernmental Panel on Climate Change, Summary for Policymakers: Land Use, Land-Use Change, and Forestry (May 2000). Web site: www.ipcc.ch/pub/srlulucf-e.pdf.

Jaques, A., Neitzert, F., and Boileau, P. *Trends in Canada's Greenhouse Gas Emissions (1990-1995)* Ottawa, Canada: Environment Canada, October 1997.

Keeling, C.D., and Whorf, T.P. "Atmospheric ${\rm CO_2}$ Records From Sites in the SIO Air Sampling Network." 1993.

Kirchgessner, D., Cowgill, R.M., Harrison, M., and Campbell, L.M. "Methods for Estimating Methane Emissions from the Domestic Natural Gas Industry." Presented at the 1995 Greenhouse Gas Emissions and Mitigation Research Symposium. U.S. Environmental Protection Agency, National Risk Management Research Laboratory, Air Pollution Prevention Division, June 1995.

Kirchgessner, D.A., Piccot, S.D., and Chadha, A. "Estimation of Methane Emissions from A Surface Coal Mine Using Open-Path FTIR Spectroscopy and Modeling Techniques." *Chemosphere.* Special Methane Edition. 1993.

Kolshus, H. *Carbon Sequestration in Sinks: An Overview of Potential and Costs.* CICERO Working Paper 2001: 11. Oslo, Norway, November 2001.

Kostick, D. "Soda Ash, Sodium Bicarbonate, and Sodium Sulfate." *Mineral Facts and Problems.* 1985 ed. Washington, DC, 1985.

Kostick, D. "Sodium Compounds." *Minerals Yearbook,* 1987. Washington, DC, 1987.

Kramlich, J.C., and Linak, W.P. "Nitrous Oxide Behavior in the Atmosphere, and in Combustion and Industrial Systems." *Progress in Energy and Combustion Science* 20. 1994.

Landau, C.W., and Bolich, P.K. "Methane Emissions from Louisiana First and Ratoon Crop." *Soil Science* 156. 1993.

Leutwyler, K. "No Global Warming?" *Scientific American*. February 1994.

Li, C., Frolking, S., and Harriss, R. "Modeling Carbon Biogeochemistry in Agricultural Soils." *Global Biogeochemical Cycles* 8. September 1994.

Liss, W.E., et al. Variability of Natural Gas Composition in Select Major Metropolitan Areas of the United States. GRI-92/0123. Chicago, IL: Gas Research Institute, October 1992.

MacKinnon, M. "Canada's Stance on Pollution Debunked." *The Globe and Mail.* June 5, 2001.

Mann, L.K. "Changes in Soil Carbon Storage After Cultivation." *Soil Science* 142. November 1986.

Mannsville Chemical Corporation. "Adipic Acid." *Chemical Products Synopsis.* Asbury Park, NJ, June 1990.

ManTech Environmental Technology, Inc. *Impact of Conservation Tillage on Soil and Atmospheric Carbon in the Contiguous United States.* PB92-113448. Prepared for the Corvallis Environmental Research Laboratory, U.S. Environmental Protection Agency. September 1991.

Marland, G., and Pippin, A. "United States Emissions of Carbon Dioxide to the Earth's Atmosphere by Economic Activity." *Energy Systems and Policy* 14. 1990.

Marland, G., and Rotty, R. "Carbon Dioxide Emissions from Fossil Fuels: A Procedure for Estimation and Results for 1950-1982." *Tellus* 36B. 1984.

Marland, G., and Schlamadinger, B., Land Use and Global Climate Change: Forests, Land Management, and the Kyoto Protocol, Pew Center on Global Climate Change (June 2000), p. v. Web site www.pewclimate.org/projects/land_use.cfm.

Marland, G., et al. Estimates of CO_2 Emissions from Fossil Fuel Burning and Cement Manufacturing, Based on the United Nations Energy Statistics and the U.S. Bureau of Mines Cement Manufacturing Data. Oak Ridge, TN: Oak Ridge National Laboratory, 1989.

Martel, C.R., and Angelo, L.C. "Hydrogen Content as a Measure of the Combustion Performance of Hydrocarbon Fuels." *Current Research in Petroleum Fuels.* Vol. I. New York, NY: MSS Information Corporation, 1977.

Matthews, E., and Fung, I. "Methane Emissions From Natural Wetlands: Global Distribution, Area, and Environmental Characteristics." *Global Biogeochemical Cycles* 1. March 1987.

Matthews, E., Fung, I., and Lerner, J. "Methane Emission From Rice Cultivation: Geographic and Seasonal Distribution of Cultivated Areas and Emissions." *Global Biogeochemical Cycles* 5. March 1991.

Moore, T.R. and Knowles, R. "The Influence of Water Table Level on Methane and Carbon Dioxide Emissions From Peatland Soils." *Canadian Journal of Soil Science* 69. 1989.

Mosier, A. "Nitrous Oxide Emissions from Agricultural Soils." Paper presented at RIVM International Workshop on Methane and Nitrous Oxide: Methods in National Emission Inventories and Options for Control. Amersfoort, The Netherlands: February 3-5, 1993.

Mosier, A., et al. "Methane and Nitrous Oxide Fluxes in Native, Fertilized, and Cultivated Grasslands." *Nature* 350. 1991.

Mosier, A., and Schimel, D. "Influence of Agricultural Nitrogen on Atmospheric Methane and Nitrous Oxide." *Chemistry & Industry* 2. December 1991.

Mosier, A., Parton, W.J., and Hutchinson, G.L. "Modelling Nitrous Oxide Evolution from Cropped and Native Soils." *Ecology Bulletin* 35. 1983.

Mynenei, R., et al. "Forests Storing 700 Million Tons of Carbon per Year." *UniSci Daily University Science News.* December 12, 2001.

Nagy, B., and Columbo, U., eds. *Fundamental Aspects of Petroleum Chemistry*. New York, NY: Elsevier Publishing, 1967.

National Institute of Petroleum and Energy Research. *Motor Gasoline*, Summer Edition; and *Motor Gasoline*, Winter Edition. Various years.

National Research Council. *Rethinking the Ozone Problem in Urban and Regional Air Pollution.* Washington, DC: National Academy Press, 1991.

Neue, H.H., and Scharpenseel, H.W. *Gaseous Products of Decomposition of Organic Matter and Rice*. Los Banos, Philippines, 1984.

Oak Ridge National Laboratory. *Transportation Energy Data Book*. Oak Ridge, TN, various years. Web site www-cta.ornl.gov/publications/tedb.html.

Oil & Gas Journal. "Pipeline Economics" (special issue). Various years.

Oil & Gas Journal. "Worldwide Gas Processing" (special issue). Various years.

Oil & Gas Journal. "Worldwide Refining" (special issue). Various years.

Organization for Economic Cooperation and Development. *Estimation of Greenhouse Gas Emissions and Sinks*. Final Report. Paris, France, August 1991.

Pacey, J. "Methane Recovery from Landfills." Presented at the 1995 Greenhouse Gas Emissions and Mitigation Research Symposium. U.S. Environmental Protection Agency, Washington, DC, June 27-29, 1995.

Pacey, J., Thorneloe, S.A., and Dorne, M. "Methane Recovery from Landfills and an Overview of EPA's Research Program for Landfill Gas Utilization." Presented at the 1995 Greenhouse Gas Emissions and Mitigation Research Symposium, U.S. Environmental Protection Agency. Washington, DC, June 27-29, 1995.

Parson, E.A., and Greene, O. "The Complex Chemistry of the International Ozone Agreements." *Environment* 37. March 1995.

"PFCs Can Be Recycled with New Technology." American Institute of Chemical Engineers. Press Release. March 12, 1997.

Piccot, S.D., Masemore, S.S., Ringler, E., and Kirchgessner, D.A. "Developing Improved Methane Emission Estimates for Coal Mining Operations." Presented at the 1995 Greenhouse Gas Emissions and Mitigation Research Symposium, U.S. Environmental Protection Agency. Washington, DC, June 27-29, 1995.

Powell, D.S., Faulkner, J.L., Darr, D.R., Zhu, Z., and MacCleery, D.W. *Forest Resources of the United States, 1992.* USDA Forest Service General Technical Report RM-234. Washington, DC, September 1993.

Prather, M., et al. "Other Trace Gases and Atmospheric Chemistry." Intergovernmental Panel on Climate Change. *Climate Change 1994: Radiative Forcing of Climate Change*. Cambridge, UK: Cambridge University Press, 1995.

Radian Corporation. *Global Emissions of Methane from Petroleum Sources*. Report prepared for the American Petroleum Institute. Research Triangle Park, NC, February 1992.

Radian Corporation. *Nitrous Oxide Emissions from Adipic Acid Manufacturing*. Report prepared for U.S. Environmental Protection Agency, Office of Research and Development. Rochester, NY, January 1992.

Railroad Commission of Texas. *Annual Summaries of Texas Natural Gas.* Various years.

Ravishankara, A.R., Turnipseed, A.A., Jensen, N.R., Barone, S., Mills, M., Howard, C.J., and Solomon, S. "Do Hydrocarbons Destroy Stratospheric Ozone?" *Science* 263. 1994.

Reimer, R.A., Parrett, R.A., and Slaten, C.S., "Abatement of N_2O Emissions Produced in Adipic Acid." *Proceedings of the 5th International Workshop on Nitrous Oxide Emissions.* Tsukuba, Japan, July 1992.

Rhodes, A.K. "U.S. Refiners Scramble To Meet Reformulated Gasoline Mandate." *Oil and Gas Journal.* January 27, 1992.

Ringen, S., Lanum, J., and Miknis, F.P. "Calculating Heating Values from Elemental Compositions of Fossil Fuels." *Fuel* 58. January 1979.

Rose, J.W., and Cooper, J.R. *Technical Data on Fuel.* London, UK: The British National Committee, World Energy Conference, 1977.

Safley, L.M., Casada, M.E., Woodbury, J., and Roos, K.F. *Global Methane Emissions from Livestock and Poultry Manure.* EPA/400/1-91/048. Washington, DC: U.S. Environmental Protection Agency, Office of Air and Radiation, February 1992.

Salthouse, R. *Making Clean Gasoline*. Logistics Management Institute, September 1992.

Sampson, R.N., and Winnett, S.M. "Trees, Forests, and Carbon." *Forests and Global Change*, Vol. 1. Washington, DC, 1992.

Sass, R.L., Fisher, F.M., and Harcombe, P.A. "Methane Production and Emission in a Texas Rice Field." *Global Biogeochemical Cycles* 4. March 1990.

Sass, R.L., Fisher, F.M., Lewis, S., Jund, M., and Turner, F. "Methane Emissions from Rice Fields: Effect of Soil Properties." *Global Biogeochemical Cycles* 8, 1994.

Sass, R.L., Fisher, F.M., and Wang, Y.B. "Methane Emissions from Rice Fields: The Effect of Floodwater Management." *Global Biogeochemical Cycles* 6. 1992.

Schiff, D. and Sciannamea, M. "Greenlook." *Electronic Design*. December 15, 1997.

Schlesinger, W.H. "Changes in Soil Carbon Storage and Associated Properties with Disturbance and Recovery." *The Changing Carbon Cycle: A Global Analysis.* Ed. J. Trabalka and D. Riechle. New York, NY: Springer-Verlag, 1986.

Schmidt, P.F. *Fuel Oil Manual*. New York, NY: Industrial Press, 1969.

Schutz, H., Seiler, W., and Conrad, R. "Processes Involved in Formation and Emissions of Methane in Rice Paddies." *Biogeochemistry* 7. 1989.

Science Applications International Corporation. *Analysis of the Relationship Between the Heat and Carbon Content of U.S. Coals: Final Task Report.* Report prepared for Energy Information Administration, Office of Coal, Nuclear, Electric, and Alternate Fuels. Washington, DC, 1992.

Seager, T.P. and Theis, T.L. "A Thermodynamic Basis for Evaluating Environmental Policy Trade-offs." *Clean Technology and Environmental Policy* 4. 2002.

Searls, J.P. "Sodium Compounds," *Minerals Yearbook,* 1984. Washington, DC: U.S. Bureau of Mines, 1984.

Seiler, W., and Crutzen, P. "Estimates of Gross and Net Fluxes of Carbon Between the Biosphere and the Atmosphere from Biomass Burning." *Climatic Change* 2. 1980.

Shine, K.P., Fouquart, Y., Ramaswamy, V., Solomon, S., and Srinivasan, J. "Radiative Forcing." *Climate Change 1994: Radiative Forcing of Climate Change.* Cambridge, UK: Cambridge University Press, 1995.

Spicer, C.W., Holdren, M.W., Smith, D.L., Hughes, D.P., and Smith, M.D. "Chemical Composition of Exhaust from Aircraft Turbine Engines." *Journal of Engineering for Gas Turbines and Power* 114. January 1992.

Steudler, P.A., et al. "Influence of Nitrogen Fertilization on Methane Uptake in Temperate Forest Soils." *Nature* 341. September 28, 1989.

Stevens, W.R. III. *Abatement of Nitrous Oxide Emissions Produced in the Adipic Acid Industry*. White House Conference on Global Climate Change, Nitrous Oxide Workshop. Wilmington, DE: Mimeo, The DuPont Company, June 11, 1993.

Strehler, A., and Stutzle, W. "Biomass Residues." *Biomass: Regenerable Energy.* Ed. D.O. Hall and R.P. Overend. Chichester, UK: John Wiley and Sons, 1987.

Sturges, W.T., et al. "A Potent Greenhouse Gas Identified in the Atmosphere: SF_5CF_3 ." *Science* 289. July 28, 2000.

Takeshita, M., and Soud, H. *FGD Performance and Experience on Coal-fired Plants*. London, UK: IEA Coal Research, July 1993.

- Thiemens, M., and Trogler, W. "Nylon Production: An Unknown Source of Atmospheric Nitrous Oxide." *Science* 251. February 22, 1991.
- Thorneloe, S.A. "Landfill Gas Recovery/Utilization— Options and Economics." Paper presented at the Sixteenth Annual Conference by the Institute of Gas Technology on Energy from Biomass and Wastes, Orlando, FL, March 5, 1992.
- Thorneloe, S.A., Doorn, M.R.J., Stefanski, L.A., Barlaz, M.A., Peer, R.L., and Epperson, D.L. "Estimate of Methane Emissions from U.S. Landfills." Prepared for U.S. Environmental Protection Agency, Office of Research and Development. April 1994.
- Trevits, M.A., Finfinger, G.L., and LaScola, J.C. "Evaluation of U.S. Coal Mine Emissions." Society for Mining, Metallurgy and Exploration, *Proceedings of the Fifth U.S. Mine Ventilation Symposium*. Littlejohn, 1991.
- Turner, D.P., Lee, J.L., Koerper, G.J., and Barker, J.R., Eds. *The Forest Sector Carbon Budget of the United States: Carbon Pools and Flux under Alternative Policy Options.* EPA/600/3-93/093. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, May 1993.
- U.S. Department of Agriculture, Crop Reporting Board, Statistical Reporting Service. *Commercial Fertilizers*. SpCr 7. Washington, DC, various years.
- U.S. Department of Agriculture, Forest Service. *AVHRR Forest Type Map, 1993 RPA Program, Forest Inventory and Analysis.* Starkville, MS, December 1992. Modified for printing by Pacific Meridian Resources, Emeryville, CA, 1996.
- U.S. Department of Agriculture, National Agricultural Statistics Service. *Agricultural Statistics*. Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Cattle, February Issue.* Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of, Agriculture, National Agricultural Statistics Service. *Census of Agriculture, United States Summary and State Data. Vol. 1, Geographic Area Series, Part 51.* Washington, DC, 1982, 1987, 1992, and 1997. Web site www.nass.usda.gov/census/.
- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Chickens and Eggs, February issue.* Washington, DC, various years. Web site www.usda.gov/nass/.

- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Crop Production*. Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of Agriculture, National Agricultural Statistics Service. *NASS On-Line Database*. Web site www.nass.usda.gov:81.
- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Poultry*—*Production and Value Summary* (annual). Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Rice Stocks*. Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of Agriculture, National Agricultural Statistics Service, Agricultural Statistics Board. *Sheep and Goats, February issue.* Washington, DC, various years. Web site www.usda.gov/nass/.
- U.S. Department of Agriculture, Soil Conservation Service (now the National Resources Conservation Service). 1991 Update of National Resources Inventory Wetlands Data for Non-Federal Rural Lands. Washington, DC, not dated.
- U.S. Department of Agriculture, Soil Conservation Service (now the National Resources Conservation Service). *Summary Report: 1992 National Resources Inventory.* Washington, DC, July 1994.
- U.S. Department of Commerce, Bureau of the Census, Foreign Trade Division. *Report of Bunker Fuel Oil Laden on Vessels Cleared for Foreign Countries*. Unpublished, various years.
- U.S. Department of Commerce, Bureau of the Census. 1990 Census of Population and Housing. Population and Housing Unit Counts, United States. CPH-2-1. Washington, DC, 1993.
- U.S. Department of Commerce, Bureau of the Census. *Census of Manufacturers, 1992.* Washington, DC, 1995.
- U.S. Department of Commerce, Bureau of the Census. *Census of Mineral Industries*, 1992. Washington, DC, 1995.
- U.S. Department of Commerce, Bureau of the Census. *Current Industrial Reports: Industrial Gases.* Washington, DC, various years.
- U.S. Department of Commerce, Bureau of the Census. *Current Industrial Reports: Quarterly and Annual Report on Fertilizer Materials.* MQ28B and MA28B. Washington, DC, various years.

- U.S. Department of Commerce, Bureau of the Census. *United States Census*. Washington, DC, various years.
- U.S. Department of Commerce, Bureau of Economic Analysis. *Real Gross Domestic Product and Related Measures*. Washington, DC, various years. Web site www.bea.gov.
- U.S. Department of Commerce, National Bureau of Standards. *Thermal Properties of Petroleum Products*. Miscellaneous Publication No. 97. Washington, DC, 1929.
- U.S. Department of Energy. An Evaluation of the Relationship Between the Production and Use of Energy and Atmospheric Methane Emissions. DOE/NBB-0088P. Washington, DC, April 1990.
- U.S. Department of Energy. *Atmospheric Carbon Dioxide* and the Global Carbon Cycle. DOE/ER-0239. Ed. J.R. Trabalka. Washington, DC, 1985.
- U.S. Department of Energy. *Compliance Assessment of the Portsmouth Gaseous Diffusion Plant.* DOE/EH-0144. Washington, DC, April 1990.
- U.S. Department of Energy. *Energy Technology Characterizations Handbook: Environmental Pollution and Control Factors*, Third Edition. DOE/EP-0093. Washington, DC, March 1983.
- U.S. Department of Energy. *The Climate Change Action Plan: Technical Supplement*. DOE/PO-0011. Washington, DC, March 1994.
- U.S. Department of Energy and U.S. Environmental Protection Agency. *Report to the President on Carbon Dioxide Emissions From the Generation of Electric Power in the United States.* Washington, DC, 1999.
- U.S. Department of State. *Climate Action Plan*. Publication 10496. Washington, DC, July 1997.
- U.S. Department of State. *National Action Plan for Global Climate Change*. Publication 10026. Washington, DC, December 1992.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Aluminum Annual Report*. Washington, DC, various years.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Cement Annual Report*. Washington, DC, various years.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Copper Annual Report*. Washington, DC, various years.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Crushed Stone Annual Report*. Washington, DC, various years.

- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Minerals Commodity Summaries*. Reston, VA, various years. Web site http://minerals.usgs.gov/minerals/pubs/commodity/.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Minerals Yearbook*. Washington, DC, various years.
- U.S. Department of the Interior, U.S. Geological Survey Minerals Information Service. *Soda Ash Annual Report*. Washington, DC, various years.
- U.S. Department of Transportation, Federal Highway Administration. *Highway Statistics*. Washington, DC, various years.
- U.S. Environmental Protection Agency. *Emissions of Nitrous Oxide From Highway Mobile Sources*. EPA-420-R-98-009. Washington, DC, August 1998.
- U.S. Environmental Protection Agency. *Identifying Opportunities for Methane Recovery at U.S. Coal Mines: Draft Profiles of Selected Gassy Underground Coal Mines.* Washington, DC, September 1994.
- U.S. Environmental Protection Agency, *Inventory of U.S. Greenhouse Gas Emissions and Sinks*. Washington, DC, various years. Most recent report at web site www.epa. gov.
- U.S. Environmental Protection Agency, *Land Use, Land Use Change, and Forestry* (2000). Web site www.epa.gov.
- U.S. Environmental Protection Agency. *Regional Interim Emission Inventories, 1987-1991.* Volume I, "Development Methodologies." EPA-454-R-93-021a. Research Triangle Park, NC, May 1993.
- U.S. Environmental Protection Agency, Environmental Research Laboratory. *The Impact of Conservation Tillage Use on Soil and Atmospheric Carbon in the Contiguous United States.* EPA/600/3-91/056. Corvallis, OR, November 1991.
- U.S. Environmental Protection Agency, Office of Air and Radiation. *Anthropogenic Methane Emissions in the United States: Estimates for 1990. Report to Congress.* Ed. Kathleen Hogan. Washington, DC, April 1993.
- U.S. Environmental Protection Agency, Office of Air and Radiation. *Identifying Opportunities for Methane Recovery at U.S. Coal Mines: Draft Profiles of Selected Gassy Underground Coal Mines.* EPA 430-R-97-020. Washington, DC, September 1997.
- U.S. Environmental Protection Agency, Office of Air and Radiation. *Methane Emissions from Coal Mining—Issues and Opportunities for Reduction*. EPA/400/9-90/008. Washington, DC, September 1990.

- U.S. Environmental Protection Agency, Office of Air and Radiation. *Estimates of Methane Emissions from the U.S. Oil Industry*. Draft Report. Washington, DC, 2001.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *Compilation of Air Pollutant Emission Factors*. AP-42, Fifth Edition. Vol. I: Stationary Point and Area Sources. Research Triangle Park, NC, September 1995. Web site www.epa.gov/ttn/chief/index.html.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *Compilation of Air Pollutant Emission Factors*. AP-42, Supplement D. Research Triangle Park, NC, September 1995. Web site www.epa.gov/ttn/chief/index.html.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *National Air Pollutant Emission Estimates* 1980-1991. EPA-454/R-92-013. Research Triangle Park, NC, October 1992.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *National Air Pollutant Emission Trends*. Research Triangle Park, NC, various years. Web site www.epa.gov/ttn/chief/trends/.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *National Air Pollutant Emission Trends Summaries*, 1990-1999. Research Triangle Park, NC, June 2001. Web site www.epa.gov/ttn/chief/trends/index.html.
- U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards. *National Air Quality and Emissions Trends Report*. Research Triangle Park, NC, various years. Web site www.epa.gov/airtrends/.
- U.S. Environmental Protection Agency, Office of Mobile Sources. *User's Guide to MOBILE 5: Mobile Source Emissions Model.* Ann Arbor, MI. 1993.
- U.S. Environmental Protection Agency, Office of Policy, Planning and Evaluation. *International Anthropogenic Methane Emissions: Estimates for 1990.* EPA 230-R-93-010. Washington, DC, January 1994.
- U.S. Environmental Protection Agency, Office of Policy, Planning and Evaluation. *Inventory of U.S. Greenhouse Gas Emissions and Sinks*. Washington, DC, various years. Web site www.epa. gov.
- U.S. Environmental Protection Agency, Office of Research and Development. *The Forest Sector Carbon Budget of the United States: Carbon Pools and Flux Under Alternative Policy Options.* EPA-600-3-93-093. Washington, DC, May 1993.
- U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. *Characterization of Municipal Solid Waste in the United States: 1996 Update.* EPA-530-S-96-001. Washington, DC, May 1997.

- U.S. Geological Survey, *U.S.Coal Quality Database Version 2.0.* Web site energy.er.usgs.gov/products/databases/CoalQual/index.htm.
- U.S. Global Change Research Program, Forest Responses to Changes in Atmospheric Composition and Climate, 2000. Web site www.usgcrp.gov/usgcrp/960610SM.html.

United Nations. *Kyoto Protocol to the United Nations Framework Convention on Climate Change.* FCCC/CP/1997/L.7/Add.1. 1997. Web site www.unfccc.de/resource/docs/convkp/kpeng.pdf.

United Nations. Report of the Intergovernmental Negotiating Committee for a Framework on Convention on Climate Change on the Work of the Second Part of Its Fifth Session. Held at New York from 30 April to 9 May 1992. UN Document A/AC.237/18, Part II. May 15, 1992.

United Nations Environment Program. Report of the Conference of the Parties on its First Session. Held at Berlin from 28 March to 7 April 1995. Addendum, Part Two: Action Taken by the Conference of the Parties at its First Session. FCCC/CP/1995/7/Add.1. June 1995.

United Nations Framework Convention on Climate Change. Review of the Implementation of the Convention and of Decisions of the First Session of the Conference of the Parties: Ministerial Declaration. FCCC/CP/1996/L.17. July 1996.

University of Florida, Institute of Food and Agricultural Sciences, Cooperative Extension Service. "Florida's 2000 Rice Variety Census" and "An Overview of the Florida Rice Industry." Web site http://edis.ifas.ufl.edu.

Waddle, K.L., Oswald, D., Daniel, D., Powell, L., and Douglas, S. *Forest Statistics of the United States, 1987.* USDA Forest Service Resource Bulletin PNW-RB-168. Portland, OR: Pacific Northwest Research Station, 1989.

Ward's Communications, Inc. *Ward's Automotive Report*. Southfield, MI, various years.

Ward's Communications, Inc. Ward's Automotive Yearbook. Southfield, MI, 1999.

Wassmann, R., Papen, H., and Rennenberg, H. "Methane Emissions from Rice Paddies and Possible Mitigation Strategies." *Chemosphere* 26. 1993.

White House, Office of the President. "President Bush Announces Clear Skies & Global Climate Change Initiatives." Web site www.whitehouse.gov/infocus/environment/.

World Oil Magazine. "Total U.S. Oil Wells." February issue, various years.

World Resources Institute, Forest and Land-Use Change Carbon Sequestration Projects, 2000. Web site www. wri.org/climate/sequester.html.

World Semiconductor Council. "Position Paper Regarding PFC Emissions Reduction Goal." Press Release, April 26, 1999. Web site www.semiconductorcouncil. org/news/pfc.html.

Wuebbles, D.J., and Edmonds, J. *Primer on Greenhouse Gases*. Chelsea, MI: Lewis Publishers, 1991.